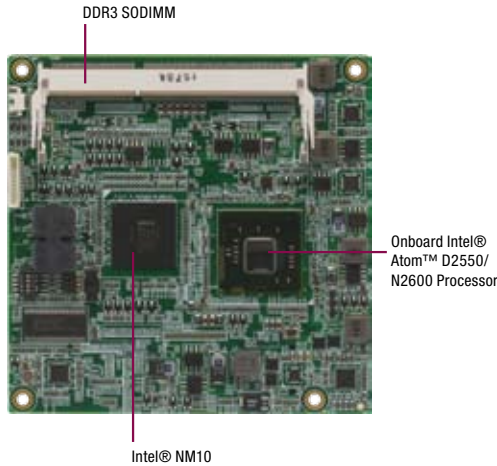


COM-CV Rev. A11

COM Express Type 2 CPU Module with Onboard Intel® Atom™ D2550/N2600 Processor

06

COM Express CPU Modules



Features

- Intel® Atom™ D2550/N2600 Processor
- Intel® NM10
- SODIMM DDR3 1066/800 Memory, Max. 4GB
- Gigabit Ethernet x 1
- 18/24-bit Dual-Channel LVDS LCDs
- High Definition Audio Interface
- SATA 3.0Gb/s x 2, PATA x 1 (Shared with SATA)
- USB 2.0 x 8, GPIO 8-bit, PCI-Express [x1] x 3, 32-bit PCI x 2
- COM Express Pin-out Type 2
- 95mm x 95mm, COM.0 Rev. 2.0

Specifications

System	
Form Factor	COM Express compact module, Pin-out Type 2, COM.0 Rev. 2.0
Processor	Intel® Atom™ D2550 1.86GHz, Intel® Atom™ N2600 1.6GHz, Intel® Atom™ N2800 1.86GHz (optional)
System Memory	240-pin DDR3 SODIMM x1, Max. 4GB (DDR3 800/1066), D2550/N2800 DDR3 1066: Max. 4GB N2600 DDR3 800: Max 2GB
Chipset	Intel® NM10
I/O Chipset	Intel® NM10
Ethernet	Intel® 82583V for 10/100/1000Base-TX
BIOS	AMI BIOS
Wake On LAN	Yes
Watchdog Timer	ITE 8518, 255 levels
H/W Status Monitoring	Supports CPU Temperature Monitoring.
Expansion Interface	PCI Express [x1] x 3, LPC Bus x 1, SMBus x 1, 32-bit PCI x 2
Power Requirement	Normal: +12V
Power Consumption (Typical)	Intel® Atom™ D2550 1.86GHz, DDR3 2GB, 12V@1.5A, w/ ECB-916M
Board Size	3.74" x 3.74" (95mm x 95mm)
Gross Weight	0.55 lb (0.3Kg)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	80,000
Display	
Chipset	Intel® Atom™ D2550/N2600 integrated
Memory	Shared system memory up to 256MB/ DVMT 4.0
Resolution	Up to 1920 x 1200 for CRT Up to 1920 x 1080 for 18/24-bit LCD (D2550) Up to 1366 x 768 for 18/24-bit LCD (N2600/N2800)
LCD Interface	18/24-bit Dual Channel LVDS
I/O	
Storage	SATA 3.0Gb/s x 2 (One SATA port shared with PATA), PATA x 1 (One device)
Serial Port	—
Parallel Port	—
USB	USB 2.0 x 8
PS/2 Port	—
IrDA	—
Audio	High definition audio
GPIO	Up to 4 in and 4 out



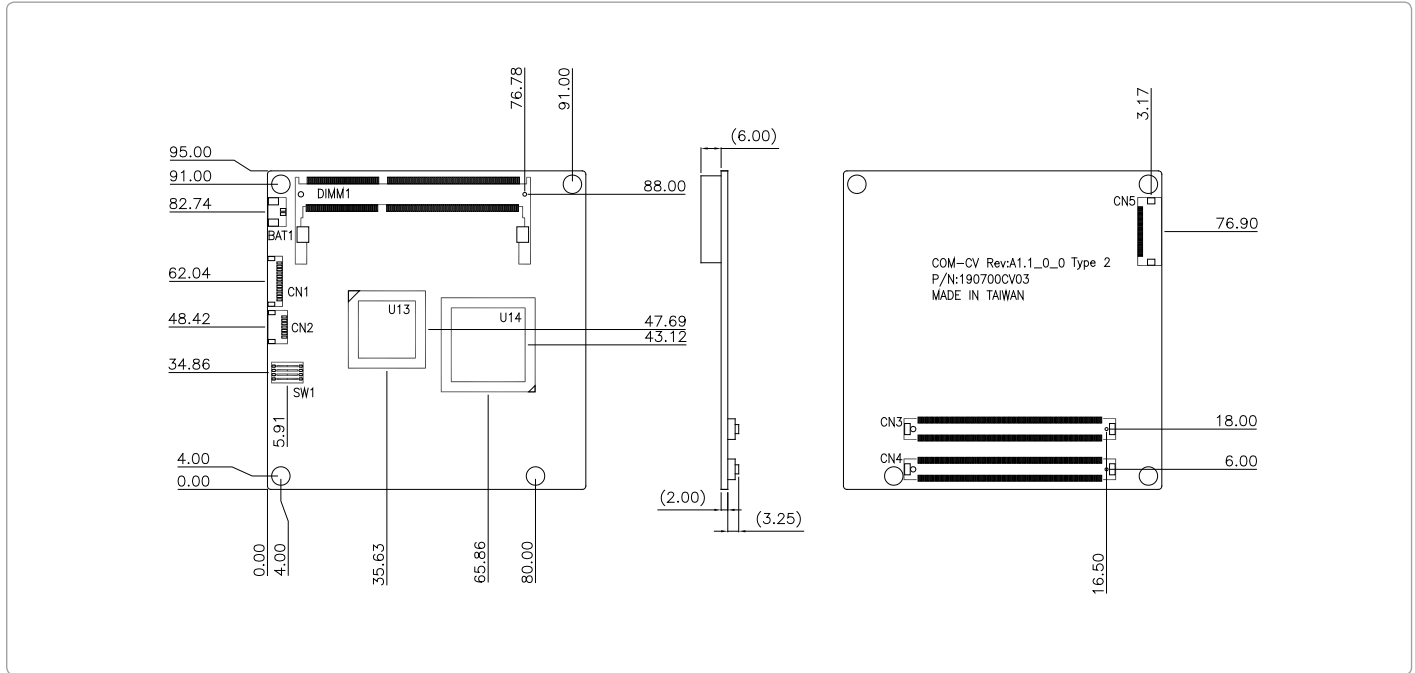
Packing List

- M2.5 Screw x 4
- Product CD
- COM-CV Rev. A11

COM-CV Rev. A11

Dimension

Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	Display	LVDS	Storage	LAN	USB	UART	Expansion Slot	Power	Temp
COM-CV-A11-01	2 (COM.0 Rev.2.0)	Intel® Atom™ N2600/B3/1.6GHz	DDR3 SODIMM x 1 Max. 2GB	CRT, LVDS	18/24-bit Dual Channel	SATA2 x 2 PATA x 1	GbE x 1	USB2.0 x 8	—	PCI-E [x1] x 3 32-bit PCI x 2	12V	0°C ~ 60°C
COM-CV-A11-02	2 (COM.0 Rev.2.0)	Intel® Atom™ D2550/B3/1.86GHz	DDR3 SODIMM x 1 Max. 4GB	CRT, LVDS	18/24-bit Dual Channel	SATA2 x 2 PATA x 1	GbE x 1	USB2.0 x 8	—	PCI-E [x1] x 3 32-bit PCI x 2	12V	0°C ~ 60°C

Optional Accessories

- TF-ECB-916M-B11**
 COM Express Type 2 Carrier Board, Micro-ITX, Dual Gigabit Ethernet, 2 COM (Winbond), USB, PCI-Express, AT/ATX, Rev. B1.1
- TF-PER-A116**
 Heat Spreader, For COM-CV
- TF-PER-A117**
 Passive Heatsink, For COM-CV, to be used with Heat Spreader
- TF-PER-A118**
 CPU Cooler, 35W, For COM Express Compact Size, For COM-CV, to be used with Heat Spreader